



FMZ 5000 mod S
Fire detection and
extinguishing control panel

Cool down.
Fire Protection by

MINIMAX

MODULAR

and economical

Uniquely flexible

The FMZ 5000 mod S fire detection and extinguishing control panel stands out in the sector of smaller fire detection and extinguishing control panels due to its uniquely high functionality and flexibility. The modular layout also makes it a very economically interesting solution for many application areas.



Function and use

The FMZ 5000 mod S fire detection and extinguishing control panel is used in both fire detection and the monitoring of water and gas extinguishing activation. Furthermore it can

detect flames and trigger extinguishing, practically without delay, as would be necessary in spark extinguishing systems, for example. Detectors in the fault or monitoring categories are allocated based on norm specifications (e.g. EN, FM) applicable to each project site. This results in a versatile use in all areas of fire detection as well as activating and monitoring extinguishing systems, for example as a:

- ▶ Fire detection panel
- ▶ Sprinkler monitoring panel and control centre panel for water mist extinguishing systems, pilot operated sprinkler systems and isolating stations
- ▶ Fire detection and extinguishing control panel for fire extinguishing systems with chemically effective gaseous extinguishing agents as well as inert gas fire extinguishing systems
- ▶ Panel to monitor pneumatic conveyors, machine tools and painting spraying systems as well as undelayed activation of corresponding extinguishing systems

The FMZ 5000 Control Panel can be installed right next to the protected object using an autarkic function or integrated into a ring-shaped network. This results in decentralised functionality with a central detector display and operability.



FLEXIBLE

for multiple requirements

New configuration concept

The configuration is extremely quickly and efficiently executed for every application by powerful pre-installed configuration templates. As needed and for very complex tasks, the functions and parameters of the FMZ 5000 mod S fire detection and extinguishing control panel can be written freely, with few restrictions.



Equipment

The basic construction of the panel includes the important existing functions and satisfies all basic requirements:

- ▶ 6 detector groups in threshold value technology, each individual one of which can assume all functions
- ▶ 3 primary control groups for activating and monitoring signal horns and releases
- ▶ 2 collective relays for activations in the event of fire and the event of malfunction
- ▶ 8 freely configurable outputs for relay activations
- ▶ USB interface for programming
- ▶ Indicator and control panel with LC display, LEDs and touch keys

The extensive basic set-up permits a function expansion via the optional addition of function modules. Operators hence receive a problem-free set-up adjusted to further project-specific requirements.

- ▶ Communication module (interface for networking and printer, Ethernet connection for remote information and remote control)
- ▶ Fire brigade interface (serial fire brigade control panel, transfer facilities/equipment for fire and fault, fire brigade key depot, fire brigade information panel)
- ▶ Test equipment for spark detector during operation (four test outputs, programmable for timed or manual tests)



The unmatched functionality and flexibility of the FMZ 5000 mod S fire protection and extinguishing control panel makes it stand out in the sector of small fire detection and extinguishing control panels.

EASY to operate

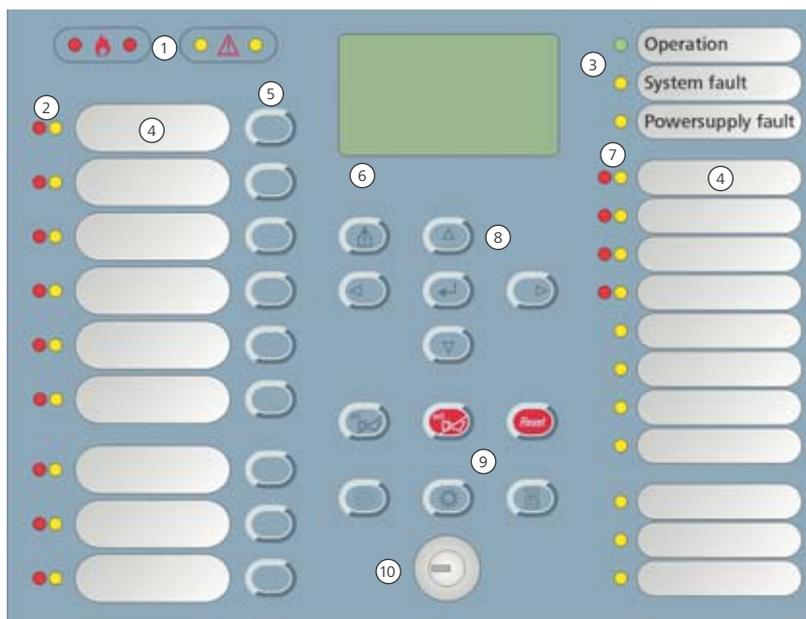
Clear displays and intuitive operation

The operating concept of the FMZ 5000 mod S fire detection and extinguishing control panel stands out due to its clear displays and excellent user friendliness:

- ▶ Sensor keys, regardless of whether a fixed function or variable menu navigation, ensure easy operation – the fully graphic, large LC display scores points with its clear displays: 2 detections with up to 4 lines each, including an editable detection text, can be displayed at the same time. In addition, the panel has an ample number of LEDs for mostly freely configurable, single and double coloured individual and collective displays.

- ▶ The detector and control groups are operated directly and easily using fixed assigned keys, all other operations are supported by a clearly structured menu navigation. For ease of operation in each case only the measures possible within the context are displayed.
- ▶ Multilingual display in the panel is accessed by switching into different languages for menus and detections during operation.

The most common controls are easily accessed during operation by pressing a key switch. All other operating steps are enabled by entering numeric codes.



- ① Main collective displays
- ② Group displays
- ③ Fixed collective displays
- ④ Labelling with slide-in stickers from configuration programme
- ⑤ Direct operation of the groups
- ⑥ Graphic LC display
- ⑦ Programmable collective displays
- ⑧ Touch-sensitive keypad
- ⑨ Direct execution of function
- ⑩ Rapid access to first operating level alternatively to the numeric code

Clear displays and excellent user friendliness make for an impressive operating concept.

Power supply

The power supply for the FMZ 5000 mod S fire detection control panel is provided by an integrated power pack. Supply voltage can be both 115 V and 230 V. 24 V 3 A is provided for the panels and to supply the detectors and triggers with power.

For special applications requiring increased emergency power, the panels can be optionally expanded with an added power pack, which is flange mounted in a separate case on the underside. This increases max. battery capacity to approx. 40 Ah.



Even complex applications are easy to configure

Installation and commissioning

The FMZ 5000 mod S fire detection and extinguishing control panel is remarkable due to its ease of installation and commissioning:

- ▶ The modular construction permits a rapid and simple configuration of the panel hardware
- ▶ Positioning all clamps at one point simplifies line connections
- ▶ Finished templates for all standard applications, e.g. control panel for gas extinguishing systems or sprinkler valve stations, reduces effort in the project-related configuration to just a few settings. These are carried out on the PC using a configuration programme. When entering logical links between inputs and outputs the user is assisted by an excellent graphical user interface. Errors are avoided, valuable time is saved.



BENEFITS

- ▶ A clear display and excellent user friendliness make the operating concept stand out
- ▶ Reduced configuration and equipment for each application limits the scale of investment volume to just the essential.
- ▶ High functionality linked with simple, standardised configuration saves installation and commissioning time.
- ▶ Modern diagnosis and maintenance equipment enables uncomplicated service

Approvals

The FMZ 5000 mod S fire detection and extinguishing control panel is in the licensing process with a number of authorities, among these: VdS for the certification pursuant EN 54-2, EN 54-4, EN 12094-1, FM pursuant ANSI/NFPA72

Technical data	
Input voltage	115 V AC/230 V AC +10 %–15 %, 50/60 Hz
Operating voltage	24 V DC
Power adapter	24 V / 3 A
Emergency power supply	2 x 12 V / 12 Ah internal additional 2 x 12 V / 18 Ah external, total 40 Ah
Protection class	IP 42
Ambient temperature	–5 °C to +40 °C
Humidity	< 95 %, no condensation
Number of function modules (max.)	3
Number of group displays	9 LED pairs red/yellow
Collective displays with fixed function	Fire, fault, operation, system malfunction, energy malfunction
Number of collective displays with configurable function	4 LED pairs red/yellow 7 LEDs yellow
Weight	Approx. 8 kg (without batteries)
Dimensions	410 x 560 x 120 mm (W x L x D)

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